

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-268933

(43)Date of publication of application : 28.09.2001

(51)Int.Cl.

H02M 7/48

H02H 7/00

H02H 7/12

H02M 7/06

(21)Application number : 2000-082396

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(22)Date of filing : 23.03.2000

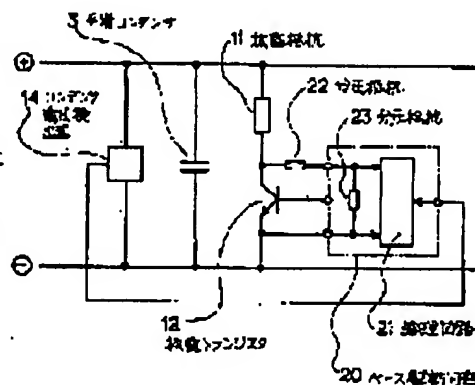
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(54) OVERVOLTAGE INHIBITION CIRCUIT OF CAPACITOR

(57)Abstract:

PROBLEM TO BE SOLVED: To easily detect the failure in the charge circuit of a capacitor without using any expensive DC voltage detectors or DC current transformers.

SOLUTION: In a conventional circuit where the series circuit of a discharge resistor 11 and a discharge transistor 13 is connected in parallel with a smoothing capacitor 3, and a capacitor voltage detector 14 gives an ON command to a base drive circuit 20 when a first setting voltage is exceeded and gives an OFF command to it when a second setting voltage cannot be exceeded, the presence or absence of the voltage between the collector and emitter of the discharge transistor 12 is detected by a voltage-dividing resistor 23, and the presence or absence of the voltage and the ON/OFF commands are given to a logic circuit 21. A logic circuit 21 judges to be abnormal and abnormal when the voltage of the voltage-dividing resistor 23 exists or is equal to zero, respectively, when the ON command is issued, and judges to be normal and abnormal when the voltage of the voltage-dividing resistor 23 exists and is equal to zero, respectively, when the OFF command is issued.



LEGAL STATUS

[Date of request for examination]

11.09.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]